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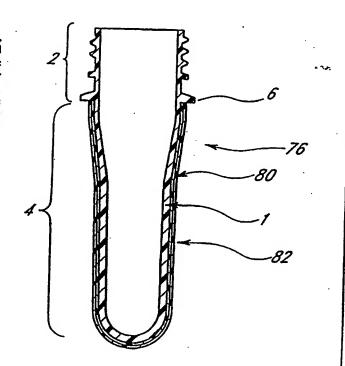
With international search report.

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(54) Title: BARRIER-COATED POLYESTER

(57) Abstract

This invention relates to articles made of polyester (1), preferably polyethylene terephthalate (PET), having coated directly (80, 82) to at least one of the surfaces thereof one or more layers of thermoplastic material with good gas-barrier characteristics, and novel methods of making such articles. Preferably the barrier-coated articles take the form of preforms coated by at least one layer of barrier material and the containers blow-molded therefrom. Such barrier-coated containers are preferably of the type to hold beverages such as soft drinks, beer or juice. The preferred barrier materials have a lower permeability to oxygen and carbon dioxide than PET as well as key physical properties similar to PET. The materials and methods provide that the barrier layers have good adherence to PET, even during and after the blow molding process to form containers from preforms. Preferred barrier coating materials include poly(hydroxyamino ethers). In one preferred method, preforms are injection molded then barrier-coated immediately thereafter.



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International Application No PCT/US 98/22026

A. CLASSIFICATION OF SUBJECT MATTER IPC 6 COBL71/00 B32B27/36

B29C49/22

B29C45/16

According to international Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 B29C C08L B32B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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K	page 2, line 2-48-54 -page 3, line 6; claims 1-30	13-15, 18,19,21
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4		47,48 49-51, 53,54, 66,69, 70,73-77
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Date of the actual completion of the international search	Date of mailing of the international search report				
1 February 2000	O & O2 2000				
Name and mailing address of the ISA	Authorized officer				
European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijawijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Derz, T				

Internation No. PCT/uS 98/22020

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ational application No. PCT/US 98/22026

Box	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
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2	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.	Claims Nos.:
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Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Inter	mational Searching Authority found multiple inventions in this international application, as follows:
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Remark or	n Protest The additional search lees were accompanied by the applicant's protest.
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-77

polyester layer next to a thermoplastic material in a multilayered product.

2. Claims: 77-80

Claims 78 to 80 define an injection molding 'method for making and coating preforms'.

In nation on patent family members

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